

Appl. No. 10/717,731
Response dated July 28, 2005
Reply to Office action dated Jun. 29, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

1-15. (canceled)

16. (currently amended) A ~~semiconductor die assembled into a packaged semiconductor device by a method comprising:~~

a semiconductor die;

~~dispensing a die attach material onto a chip carrier;~~

,~~wherein the a die attach material comprises including a component of which the CTE is negative negative-CTE material; and~~

~~attaching a the semiconductor die attached to the chip carrier with [[to]] the die attach material.~~

17. (currently amended) The semiconductor [[die]] device of claim 16, wherein ~~dispensing the die attach material onto the chip carrier further comprises dispensing the die attach material onto a structure~~ is selected from a group consisting of a package substrate and a leadframe.

18. (currently amended) The semiconductor [[die]] device of claim [[17]] 16, wherein ~~dispensing a die attach material comprising a the component with negative-CTE material further comprises dispensing a die attach material comprising a is a tungstate material.~~

19. (original) The semiconductor [[die]] device of claim 16, ~~wherein the method further comprises encapsulating the semiconductor die with further comprising an encapsulant that~~

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encapsulates the semiconductor die, the encapsulant including a component of comprising a negative-CTE material.

20. (currently amended) The semiconductor [[die]] device of claim 19, wherein ~~encapsulating the semiconductor die with an encapsulant comprising a negative CTE material further comprises encapsulating the semiconductor die with an encapsulant comprising a the encapsulant includes a tungstate material.~~

21. (currently amended) The semiconductor [[die]] device of claim 19, wherein ~~encapsulating the semiconductor die with an the encapsulant further comprises encapsulating the semiconductor die with a material is selected from a group consisting of a mold compound and a glob-top material.~~

22. (currently amended) A semiconductor die assembled into a packaged semiconductor device by a method comprising:

a semiconductor die disposed on a chip carrier;
~~dispensing a lid attach material comprising a negative-CTE material disposed over the inactive a surface of a semiconductor die and around at least a portion of a perimeter of the upper surface of a package substrate the chip carrier; and~~
~~adhering a package a lid adhered to the lid attach material.~~

23. (currently amended) The method semiconductor device of claim 22, wherein ~~[[dispensing]] the lid attach material comprising a negative CTE material further comprises dispensing a lid attach material comprising includes a tungstate material.~~

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24. (currently amended) The ~~method~~ semiconductor device of claim 23, wherein dispensing the lid attach material comprising a ~~the~~ tungstate material further comprises dispensing a lid attach material comprising a material is selected from a group consisting of zirconium tungstate, halfnium tungstate, and a solution of zirconium and halfnium tungstate.
25. (new) The semiconductor of claim 19, in which the die attaching material and the encapsulant include a component selected from a group consisting of zirconium tungstate, halfnium tungstate, and a solution of zirconium and halfnium tungstate.